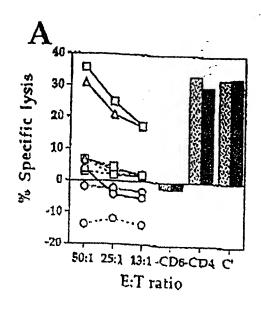


Fig. 1



ISA-1 515-522 effectors

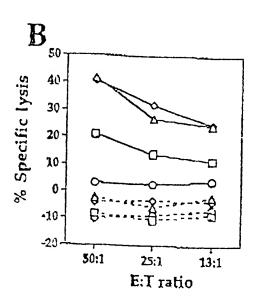
- D VR1012 TSA1.7: Undepl.
- Δ VR1012 T5A2.1: Undepl.
- O VR1012
- ☑ VR1012 TSA1.7: Depl.
- WR1012 TSA2.1: Depl.

Tarcets:

- RMA-S + TSA-1 515-522

-- RMA-S + OVA 257-264

P315 + TSA-1 515-522



TSA-1 515-522 effectors:

- D VR1012 TSA1.7
- Δ VR1012 TSA2.1
- O VR1012
- O T. cruzi-infected

Targets:

RMA-S+TSA-1515-322

RMA-S + OVA 257-264

Fig. 2

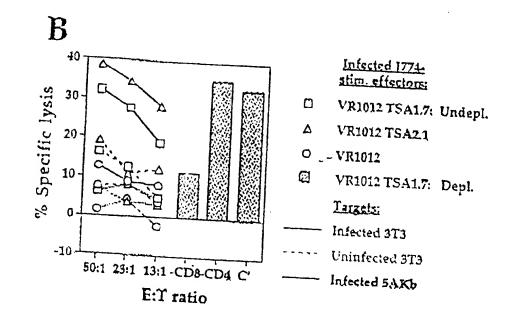
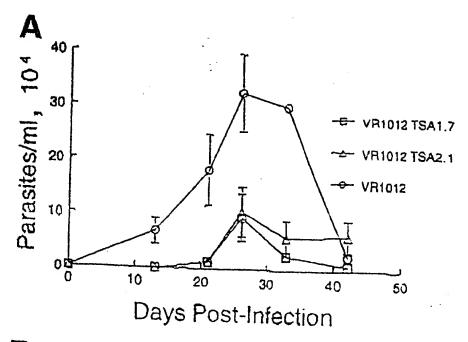


Fig. 3



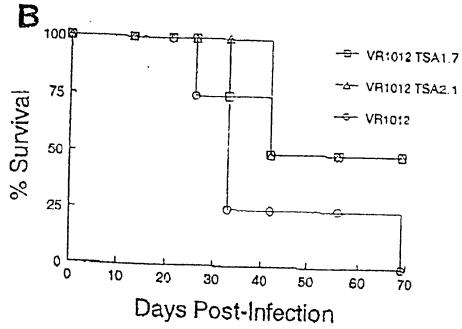
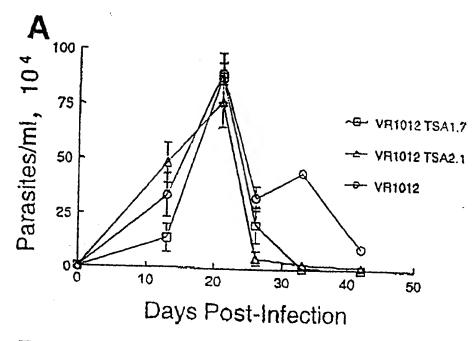


Fig. 4



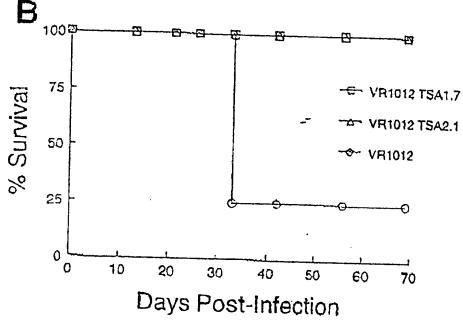


Fig. 5

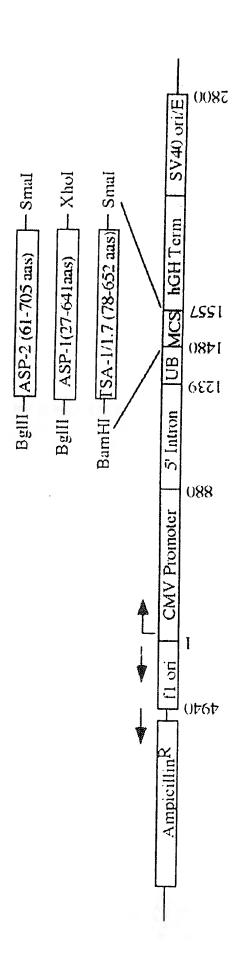


Fig. 6

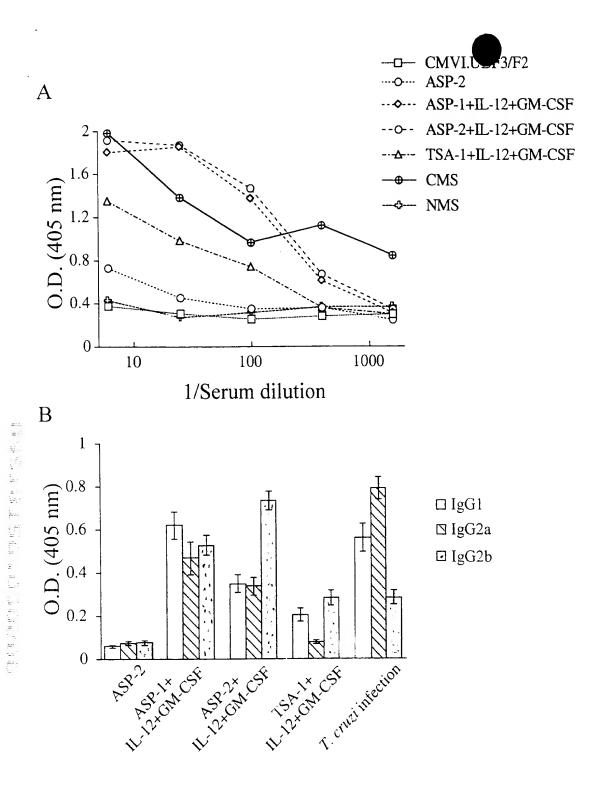
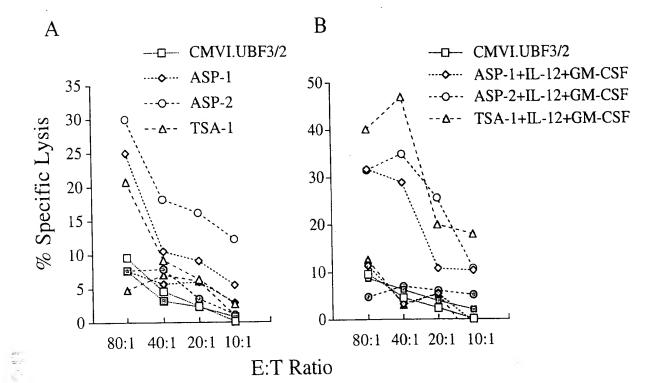
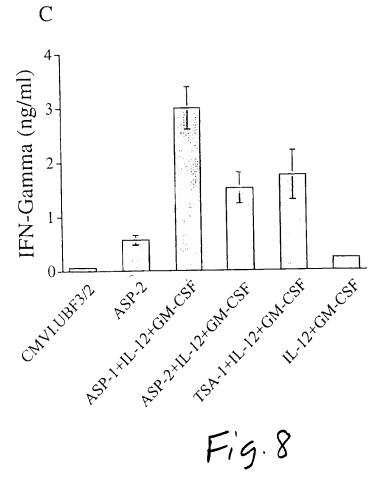
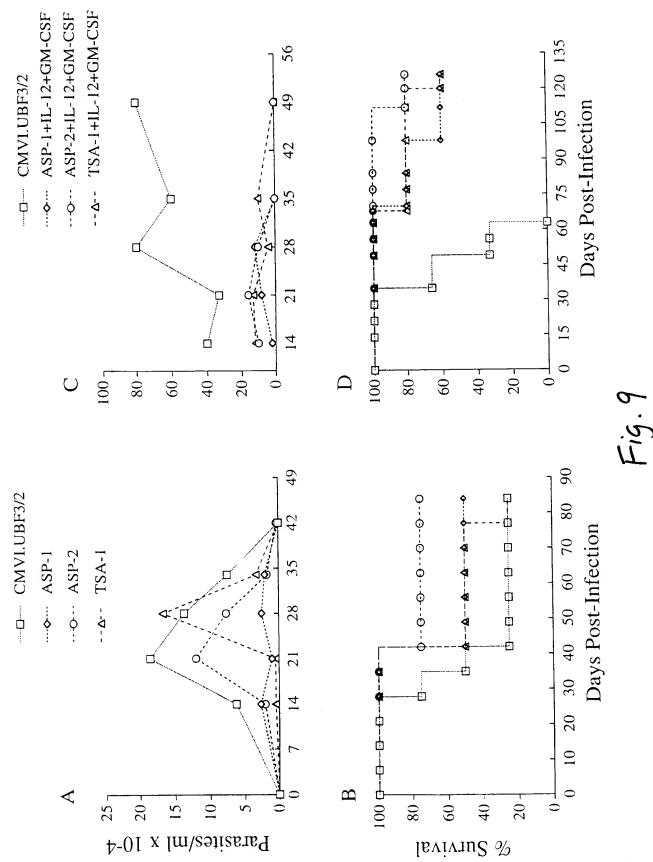
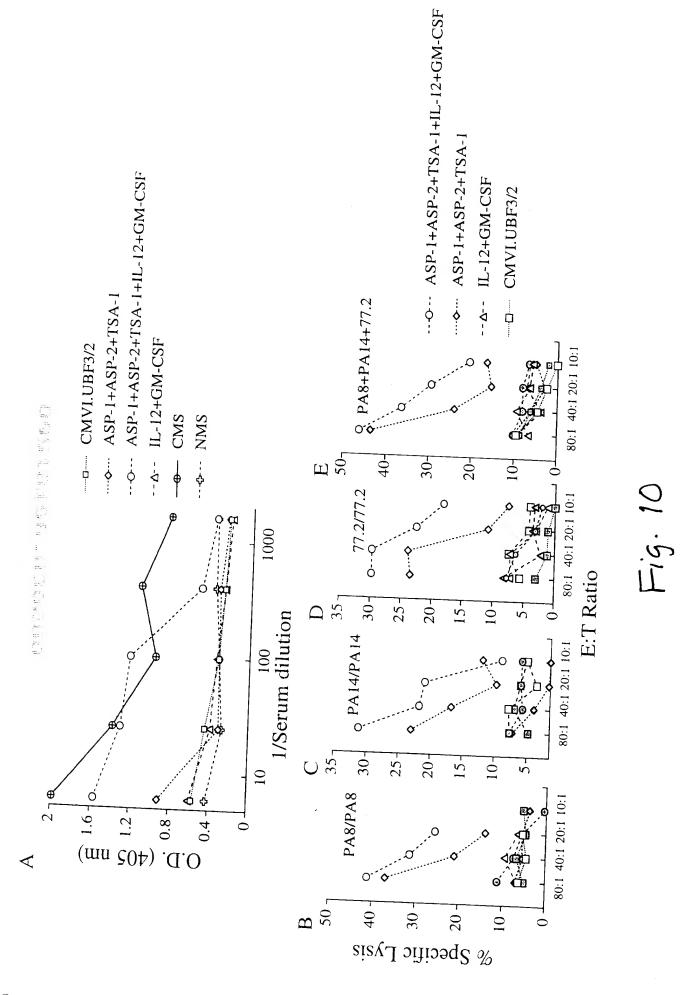


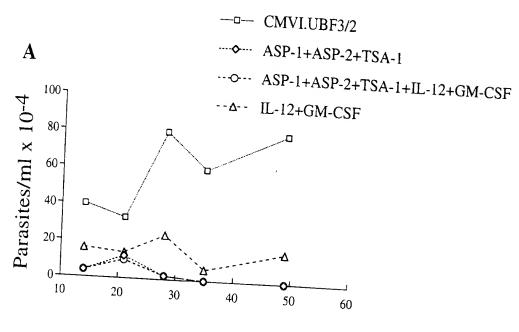
Fig. 7











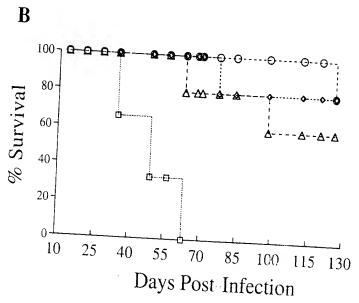


Fig. 1

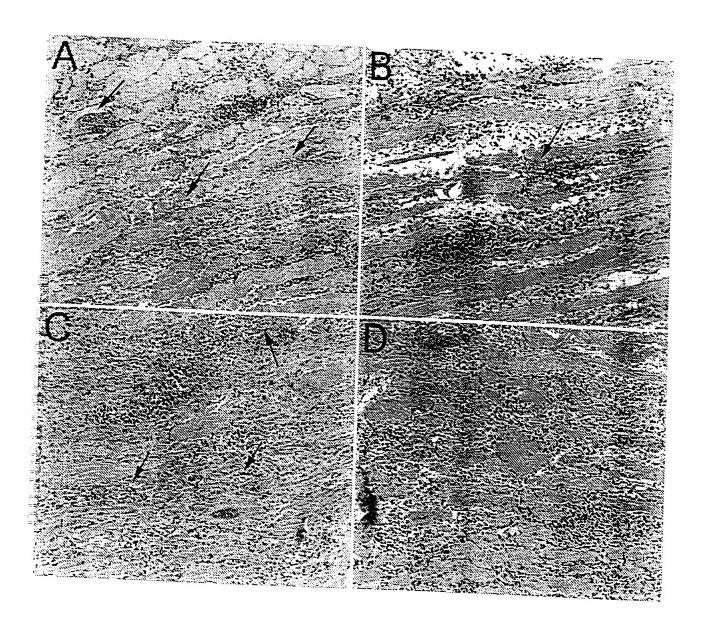


Fig. 12

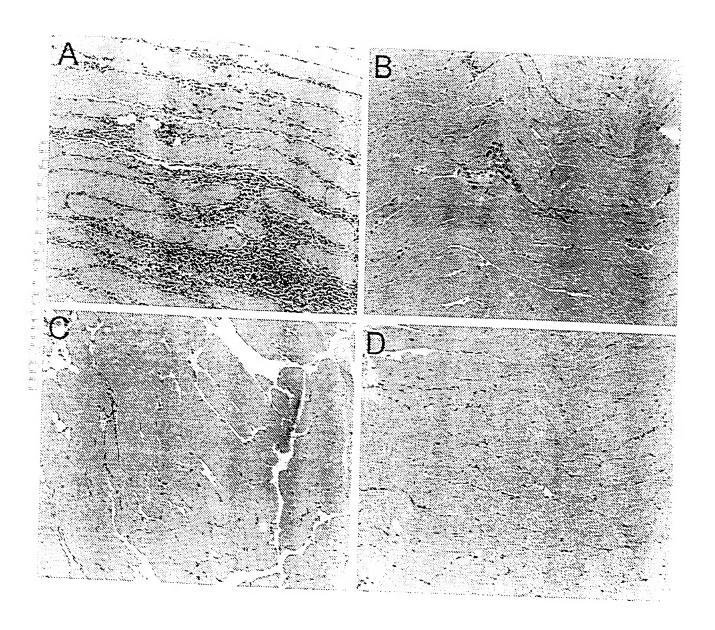
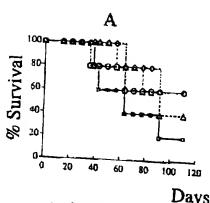
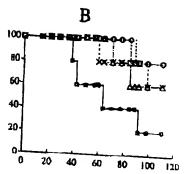


Fig. 13

		Immunogen	Antibody	treatment
		CMVI.UBF3/2		None
		Δ ASP-1+ASP-2+TSA-1+IL-12+GM-C	CSF	None
		♦ ASP-1+ASP-2+TSA-1+IL-12+GM-C	CSF	Anti-CD8
アニート Parasites/ml x 10 ⁻⁴	A	O ASP-1+ASP-2+TSA-1+IL-12+GM-C	CSF	Anti-CD4
	6007	0		
	500			
	400-			
	300-	/		
	200-	~ A		
ıras	100-	/ ⁰ / ^v -		
Pa	0	Δ-ΔΔ		
ja.	0	$\frac{10}{20}$ $\frac{20}{30}$ $\frac{20}{40}$	50	
% Survival	В			
	1000			
	80-	GΦ <u>Δ</u> - <u>Α</u> Δ-Δ-Δ-ΔΔ		
	60-	♠		
	40-			
	20-	DB-0		
	0	20 40 60 80 10	L C C C C C C C C C C C C C C C C C C C	
	Ü	Days Post-Infection	00	

Fig. 14





Days Post-Infection CMVI.UBF3/2

- CMVI.UBF3/2
- ASP-1+ASP-2+TSA-1 (1 µg)
- ASP-1+ASP-2+TSA-1 (100 ng)
- ASP-1+ASP-2+TSA-1 (1 0 ng)
- ASP-1+ASP-2+TSA-I (1 µg) +cytokines
- ASP-1+ASP-2+TSA-1 (100 ng) +cytokines
- ASP-1+ASP-2+TSA-1 (10 ng) +cytokines
- ASP-1+ASP-2+TSA-1 (1 ng) +cytokines

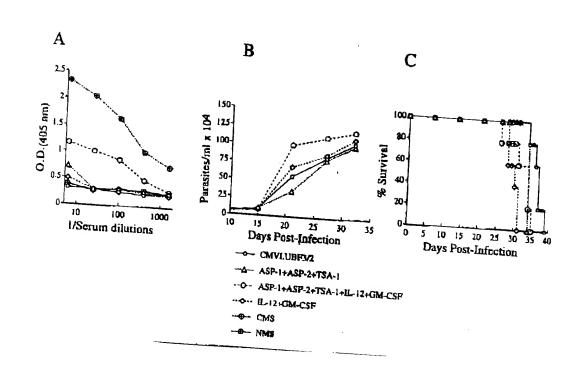


Fig. 17

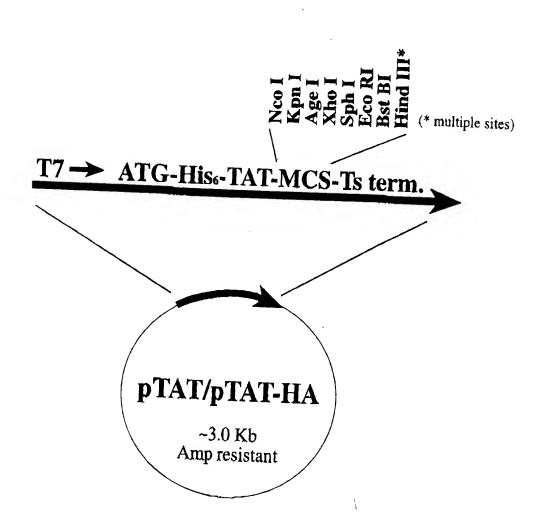
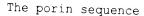


Fig. 18



ATGCGGAAGAAAGCCGCAGCATTAGCAGCGCCCACAGCAGACACACGGCCGACGTGCCGCGGGGCTGCCATTGCCA ATAAATTTATGGAACGTGCCGGCCCCCGTGAGGGCGTTGGGAGATCAACGGAGATGCCGGCTGCTGGACCGACGGG $\tt GTCTCAAAGAACTCAAACGCAACGGGAGGTGAAAGCGTCACAAGACGCCGACGCGGCCGTTAGTAGTTATTTC$ A CGGGGGAGCAGGGAGGGAAGGGAACTGCCGGCGGTTGGTGGCGCCGTTCCAACTGGGAAGGGGACCGCAAA CAGC GAGT GCTGCAGGATTTGCCAGCGATGCACGGGAGGGACAAAACCAGCACGGTAGAGAGGGTGACAAGGGTGTTTCCGTGAAGATGGACTCCCCTGGTCGCGTACAGGTGCTGGAGCAAATGTTGCTACACCTGGCTGCATTGAACA GACAGCTAGAATTAGAAACTTATAGAAACGCGACGGGAACTGACGATGTACAAGCAGCTTTTACCTGATGTGCAGCG CCAGACCGAGGCCCATGCTTTGTCTCAGGAGCATCACAAAGCGAATAGTGCTGCTCCGCCACTGATGTCAGATGAG A GGC GACAGATGCTCTTTACAGGGCAACAACAACAACAACAACAACAAGTGGAAGATCTGCATGGCGGTATTAGCG $\verb|CCGTCCACGTTGCGCAGGTCGTATGGGCTCCCCGAAGAGAGATTCCTTTCAACACAACCGCCTCGAAGCAGCAGGAAC| \\$ ${\tt CATCGGAACCCTCACGCTGCTAACGGGACAAATGGCAATAGTCATGTTCCCCATTCGTCCAGACAAAAAAGTCACC}$ ACATACCCGACCCCGCGGACCTTCTTATCTTTTCGAACGCCTCGACGCTGAGGATGCAATTGATATGCTGGAGACG $\tt CTGAAGCGCTCTCATGTATCGCTGCAACCACTCGCATCATCGATCAACAGAAGGAGATGTTGTGCGGCCCGCCG$ $\tt CGAAGCCCCGGAAAGGCACGCGGTCTGTTCCACCACCACCGCCACCGCCCATGTCATCATCGTCACAAAGAAA$ $\tt GTGGGAGATCCGTCAAGGGGCAATCGAGTTTCAGAAACAGCTCGCATAGCTCATGCTCCTTTTTTGGGGGGAAGA$ ${\tt AATGCGCCGGGCCTAACCCAACTCCATTTCTCTTCCCCTTCCAGAAGGGCTACGCCGATGAAAAAAAGACACGCC}$ $\tt CGTTACTGGGAACAGTCCCGTGCGATATTGGAGCAGCTTGAAAACATGCTGGCAGCTGAT$

Fig. 19